



## MATERIAL FACT SHEET

### 221580 Q20UDHCPU

#### General Data

|                     |                                        |
|---------------------|----------------------------------------|
| Product Hierarchy   | IAD50702                               |
|                     | Modular PLC                            |
|                     | Q-Single                               |
| Ext. Material Group | 10 EOL ANNOUNCED                       |
| ABC Indicator       | C (Non-Stock Material / Make-to-Order) |

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_I/A/EUR/en/p/000000000000221580](https://mitsubishi-electric-eshop.mee.com/mee/FA_I/A/EUR/en/p/000000000000221580)

#### FA-MOD PLC: CPU Module

|                              |                      |
|------------------------------|----------------------|
| Series                       | MELSEC-Q SERIES      |
| Type                         | UNIVERSAL MODEL QCPU |
| Program Memory               | 200K                 |
| Program Memory Unit          | STEPS                |
| Local I/O Points             | 4096                 |
| Local + Remote I/O Points    | 8192                 |
| Cycle Time LD (ns)           | 9,5                  |
| Cycle Time MOV (ns)          | 19                   |
| USB                          | 1                    |
| RS-232                       | 1                    |
| Buffer Battery               | YES                  |
| Int. Current Consumption (A) | 0,64                 |

#### Product Dimensions & Weight

|             |      |
|-------------|------|
| Width (mm)  | 27,4 |
| Height (mm) | 98   |
| Depth (mm)  | 89,3 |
| Weight (kg) | 0,2  |

#### Logistic Dimensions & Gross Weight

|                   |       |
|-------------------|-------|
| Length (cm)       | 15,0  |
| Width (cm)        | 11,0  |
| Height (cm)       | 5,5   |
| Gross Weight (kg) | 0,220 |
| Volume (cdm)      | 0,908 |

#### Stock Data

|                              |     |
|------------------------------|-----|
| Planned Delivery Time (Days) | 136 |
|------------------------------|-----|

#### Life Cycle

|                          |                                    |
|--------------------------|------------------------------------|
| Sales Start              | 30.04.2009                         |
| Discontinued (EOL)       | 12.01.2024                         |
| Last Time Buy (LTB)      | 30.08.2026                         |
| Last Time Purchase (LTP) | 30.09.2026                         |
| End of Service (EOS)     | 31.10.2033                         |
| Predecessor              | No Predecessor                     |
| Successor                | <a href="#">266165 / Q26UDVCPU</a> |

#### Additional Product Information

|                            |                             |
|----------------------------|-----------------------------|
| Binding Tariff Information | DEBTI-52748/20-1            |
| BTI validity date          | 27.06.2024                  |
| Battery included           | YES - CHECK SPARE PART LIST |

#### Export Data

|                               |            |
|-------------------------------|------------|
| Legal Control (Dual Use List) | Not Listed |
| Country of Origin             | Japan (JP) |

|                                          |        |
|------------------------------------------|--------|
| Preference Status (Supplier Declaration) | Non EU |
|------------------------------------------|--------|

## Environmental

|                                |                            |
|--------------------------------|----------------------------|
| REACH Limit Exceeded           | YES                        |
| REACH Substance CAS Number     | <a href="#">110-71-4</a>   |
| REACH Substance CAS Number (2) | <a href="#">12060-00-3</a> |
| REACH Substance CAS Number (3) | <a href="#">2451-62-9</a>  |
| REACH Substance CAS Number (4) | <a href="#">7439-92-1</a>  |
| Dangerous Goods Class          | NO                         |
| Dangerous Goods Identifier     | NO                         |
| RoHS Compliance                | COMPLIANT                  |
| WEEE                           | B2B                        |

## Conformity

|                    |                          |
|--------------------|--------------------------|
| CE                 | COMPLIANT                |
| UL/cUL             | COMPLIANT                |
| EAC                | COMPLIANT                |
| Shipping Approvals | ABS,BV,DNV GL,LR,NK,RINA |
| UKCA               | COMPLIANT                |

## Documentation & Media Data

|                            |                                                                                                                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manual URL Indicator       | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=Q20UDHCPU&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=Q20UDHCPU&amp;doc-lang=en</a> |
| Certificates URL Indicator | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=Q20UDHCPU&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=Q20UDHCPU&amp;doc-lang=en</a> |
| CAD URL Indicator          | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=Q20UDHCPU&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=Q20UDHCPU&amp;doc-lang=en</a> |

## Product Packaging

|                   |    |
|-------------------|----|
| Cardboard (g)     | 70 |
| Other paper (g)   | 11 |
| Aluminum (g)      | 0  |
| Steel (g)         | 0  |
| Styrofoam (g)     | 0  |
| Other plastic (g) | 2  |
| Wood (g)          | 0  |
| Glass (g)         | 0  |
| Others (g)        | 0  |

## Spare parts

| Material               | Description | Quantity | Unit |
|------------------------|-------------|----------|------|
| <a href="#">130376</a> | Q6BAT       | 1        | PC   |

## Compatible products

| Material               | Description / Price List Text / Classification                                                                                  |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">128424</a> | QC30R2<br>PLC Q Series CPU Programming cable for RS232 or A9GT-RS2, mini DIN6P-Dsub9P, 3m<br>Class 100100214: FA-MOD PLC: Cable |
| 129650                 | Q2MEM-ADP<br>PLC Q Series PC card adapter for PCMCIA slot<br>Class 100100215: FA-MOD PLC: Other Option                          |
| <a href="#">129854</a> | Q2MEM-BAT<br>PLC Q Series Battery for Q2MEM-1MBS<br>Class 100100216: FA-MOD PLC: Spare Part                                     |
| <a href="#">129854</a> | Q2MEM-BAT<br>PLC Q Series Battery for Q2MEM-1MBS<br>Class 100101303: FA-OTHERS: Battery                                         |
| <a href="#">130376</a> | Q6BAT<br>Lithium Cell for Programmable Controller type Q CPU; CR17335SE-R 3V<br>Class 100100216: FA-MOD PLC: Spare Part         |
| <a href="#">130376</a> | Q6BAT<br>Lithium Cell for Programmable Controller type Q CPU; CR17335SE-R 3V<br>Class 100101303: FA-OTHERS: Battery             |
| <a href="#">136577</a> | QC30-USB<br>PLC Q Series CPU Programming cable for USB interface, 3 m<br>Class 100100214: FA-MOD PLC: Cable                     |
| <a href="#">140381</a> | Q6HLD-R2<br>PLC Q Series Cable Connector Protection holder for RS232 interface<br>Class 100100215: FA-MOD PLC: Other Option     |

| Material               | Description / Price List Text / Classification                                                                                         |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">217621</a> | Q3MEM-4MBS<br>PLC Q Series SRAM Card 4MB<br>Class 100100215: FA-MOD PLC: Other Option                                                  |
| <a href="#">217622</a> | Q3MEM-4MBS-SET<br>PLC Q Series SRAM Card 4MB, incl. cover<br>Class 100100215: FA-MOD PLC: Other Option                                 |
| <a href="#">217623</a> | Q3MEM-8MBS<br>PLC Q Series SRAM Card 8MB<br>Class 100100215: FA-MOD PLC: Other Option                                                  |
| <a href="#">217624</a> | Q3MEM-8MBS-SET<br>PLC Q Series SRAM Card 8MB, incl. cover<br>Class 100100215: FA-MOD PLC: Other Option                                 |
| <a href="#">234630</a> | GX Works2 V01-2L0C-E<br>PLC Programming –S/W for MELSEC Q/L/F; USB; 2 PCs<br>Class 100101201: FA-Software: Software PLC                |
| <a href="#">234631</a> | GX Works2 V01-5L0C-E<br>PLC Programming –S/W for MELSEC Q/L/F;engl;USB;5 PC's<br>Class 100101201: FA-Software: Software PLC            |
| <a href="#">236259</a> | Q3MEM-BAT<br>PLC Q Series battery for Q3MEM- memory card; 3V DC; 550mAh<br>Class 100100216: FA-MOD PLC: Spare Part                     |
| <a href="#">236259</a> | Q3MEM-BAT<br>PLC Q Series battery for Q3MEM- memory card; 3V DC; 550mAh<br>Class 100101303: FA-OTHERS: Battery                         |
| <a href="#">244876</a> | GX Works2 V01-2L0C-G<br>PLC Programming –S/W for MELSEC Q/L/F Series; German; USB; 2 PCs<br>Class 100101201: FA-Software: Software PLC |
| <a href="#">244877</a> | GX Works2 V01-5L0C-G<br>PLC Programming –S/W for MELSEC Q/L/F; USB; 5 PCs<br>Class 100101201: FA-Software: Software PLC                |
| <a href="#">296266</a> | Q8BAT-SET<br>Q Series; Large capacity battery<br>Class 100100216: FA-MOD PLC: Spare Part                                               |
| <a href="#">296266</a> | Q8BAT-SET<br>Q Series; Large capacity battery<br>Class 100101303: FA-OTHERS: Battery                                                   |
| <a href="#">308746</a> | Q8BAT<br>PLC Q Series Battery for CPU; 3 V DC; 18000 mAh<br>Class 100100216: FA-MOD PLC: Spare Part                                    |
| <a href="#">308746</a> | Q8BAT<br>PLC Q Series Battery for CPU; 3 V DC; 18000 mAh<br>Class 100101303: FA-OTHERS: Battery                                        |
| <a href="#">408932</a> | Q2MEM-1MBSN<br>PLC Q Series Compact SRAM Memory Card 1 MB<br>Class 100100215: FA-MOD PLC: Other Option                                 |
| <a href="#">408933</a> | Q2MEM-2MBSN<br>PLC Q Series Compact SRAM Memory Card 2 MB<br>Class 100100215: FA-MOD PLC: Other Option                                 |
| <a href="#">470796</a> | Q7BATN<br>PLC Q Series Battery for CPU; 3 V DC; 6000 mAh<br>Class 100100216: FA-MOD PLC: Spare Part                                    |
| <a href="#">470796</a> | Q7BATN<br>PLC Q Series Battery for CPU; 3 V DC; 6000 mAh<br>Class 100101303: FA-OTHERS: Battery                                        |
| <a href="#">470797</a> | Q7BATN-SET<br>PLC Q Series Battery for CPU; 3 V DC; 6000 mAh; incl. Battery holder<br>Class 100100216: FA-MOD PLC: Spare Part          |
| <a href="#">470797</a> | Q7BATN-SET<br>PLC Q Series Battery for CPU; 3 V DC; 6000 mAh; incl. Battery holder<br>Class 100101303: FA-OTHERS: Battery              |